

Expanding with a
Hourey Counter
and Grant-Tela Counter
Built By John Bader
With Counts By Tony Bader
By Ikeg meter

Bedini Energy Device for Space Flight

9 July 1984

By: Eike Mueller / John Bedini

PROJECT DESCRIPTION REPORT

BEDINI DEVICE FOR SPACEFLIGHT
Revision 5, 7/9/84
Prepared by EIKE MUELLER

DESCRIPTION DATA FIELDS:

Name of project=BEDINI DEVICE FOR SPACEFLIGHT
Leader of project=E.Mueller / J.Bedini
Time scale=Months
Start date=7/2/84
Direct cost units=K\$
Manpower cost units=\$
Find critical path=Yes
File drive and name=B: BSPACE

SKILL CATEGORIES:

Description	\$/Man-Month	Man-Months	Total Cost
1st skill category=MANAGER	5000	12	\$60K
2nd skill category=PROJECT ENGINEER	5000	12	\$60K
3rd skill category=TECHNICIAN 1	4000	9	\$36K
4th skill category=TECHNICIAN 2	3000	9	\$27K
5th skill category=SECRETARY	2000	5	\$10K
6th skill category=	0	0	\$0
7th skill category=	0	0	\$0
8th skill category=	0	0	\$0
9th skill category=	0	0	\$0

WORKING HOURS:

Begin work=8
Start lunch=12
Finish lunch=13
End work=17

WORKING DAYS:

Days of the week=MTuWThF

HOLIDAYS:

Holiday list=1/1/85 5/27/85 7/4/84 9/3/84 11/22/84 12/25/84
2/22/85

SCHEDULE SUMMARY:

Completion date=9/2/85
Number of jobs=15
Total manpower=47 Man-Months
Manpower cost=\$193000
Direct cost=\$40000
Total cost=\$233000

JOB DESCRIPTION REPORT

BEDINI DEVICE FOR SPACEFLIGHT

Revision 5, 7/9/84

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Job #1, WRITE DRAFT PROJECT PLAN

***** CRITICAL *****

Duration=2 Months
Completed=No
On critical path=Yes
Slack time=none

Earliest start=7/2/84
Earliest finish=9/2/84
Latest start=7/2/84
Latest finish=9/2/84

Prerequisites=none

Manpower skills=none

Total effort=none
Manpower cost=\$0
Direct cost=\$0

Job #2, PREPARE LETTER TO ESA/BMFT

Duration=1 Month
Completed=No
On critical path=No
Slack time=1 Month

Earliest start=7/2/84
Earliest finish=8/2/84
Latest start=8/2/84
Latest finish=9/2/84

Prerequisites=none

Manpower skills=none

Total effort=none
Manpower cost=\$0
Direct cost=\$0

Job #3, BUILD DEMO PROTOTYPE

***** CRITICAL *****

Duration=2 Months
Completed=No
On critical path=Yes
Slack time=none

Earliest start=7/2/84
Earliest finish=9/2/84
Latest start=7/2/84
Latest finish=9/2/84

Prerequisites=none

Manpower skills=none

Total effort=none
Manpower cost=\$0
Direct cost=\$0

Job #4, TRIP TO EUROPE & DEMO

***** CRITICAL *****

Duration=1 Month
Completed=No
On critical path=Yes
Slack time=none

Earliest start=9/2/84
Earliest finish=10/2/84
Latest start=9/2/84
Latest finish=10/2/84

Prerequisites=Job #1, WRITE DRAFT PROJECT PLAN
Job #2, PREPARE LETTER TO ESA/BMFT
Job #3, BUILD DEMO PROTOTYPE

Manpower skills=Skill #1, MANAGER, 1 @ 5000\$ per Man-Month
Skill #2, PROJECT ENGINEER, 1 @ 5000\$ per Man-Month

Total effort=2 Man-Months
Manpower cost=\$10000
Direct cost=\$6000

Job #5, NEGOTIATIONS WITH ESA

***** CRITICAL *****

Duration=1 Month
Completed=No
On critical path=Yes
Slack time=none

Earliest start=10/2/84
Earliest finish=11/2/84
Latest start=10/2/84
Latest finish=11/2/84

Prerequisites=Job #4, TRIP TO EUROPE & DEMO

Manpower skills=Skill #1, MANAGER, 1 @ 5000\$ per Man-Month
Skill #2, PROJECT ENGINEER, 1 @ 5000\$ per Man-Month

Total effort=2 Man-Months
Manpower cost=\$10000
Direct cost=\$0

Job #6, CONTRACT GO-AHEAD

***** CRITICAL *****

Duration=0 Months
Completed=No
On critical path=Yes
Slack time=none

Earliest start=11/2/84
Earliest finish=11/2/84
Latest start=11/2/84
Latest finish=11/2/84

Prerequisites=Job #5, NEGOTIATIONS WITH ESA

Manpower skills=none

Total effort=none
Manpower cost=\$0
Direct cost=\$0

Job #7, UPDATE OF PROJECT PLAN

***** CRITICAL *****

Duration=1 Month
Completed=No
On critical path=yes
Slack time=none

Earliest start=11/2/84
Earliest finish=12/2/84
Latest start=11/2/84
Latest finish=12/2/84

Prerequisites=Job #6, CONTRACT GO-AHEAD

Manpower skills=Skill #1, MANAGER, 1 @ 5000\$ per Man-Month

Total effort=1 Man-Months
Manpower cost=\$5000
Direct cost=\$0

Job #8, BUILD PROTOTYPE

***** CRITICAL *****

Duration=4 Months
Completed=No
On critical path=yes
Slack time=none

Earliest start=11/2/84
Earliest finish=3/2/85
Latest start=11/2/84
Latest finish=3/2/85

Prerequisites=Job #6, CONTRACT GO-AHEAD

Manpower skills=Skill #2, PROJECT ENGINEER, 1 @ 5000\$ per Man-Month
Skill #3, TECHNICIAN 1, 1 @ 4000\$ per Man-Month
Skill #4, TECHNICIAN 2, 1 @ 3000\$ per Man-Month

Total effort=12 Man-Months
Manpower cost=\$48000
Direct cost=\$8000

Job #9, TYPE & PRESENT PROJECT PLAN

***** CRITICAL *****

Duration=1 Month
Completed=No
On critical path=yes
Slack time=none

Earliest start=12/2/84
Earliest finish=1/2/85
Latest start=12/2/84
Latest finish=1/2/85

Prerequisites=Job #7, UPDATE OF PROJECT PLAN

Manpower skills=Skill #1, MANAGER, 1 @ 5000\$ per Man-Month
Skill #5, SECRETARY, 1 @ 2000\$ per Man-Month

Total effort=2 Man-Months
Manpower cost=\$7000
Direct cost=\$0

Job #10, UPDATE PROJECT PLAN & DOC'S

***** CRITICAL *****

Duration=2 Months
Completed=No
On critical path=Yes
Slack time=none

Earliest start=1/2/85
Earliest finish=3/2/85
Latest start=1/2/85
Latest finish=3/2/85

Prerequisites=Job #9, TYPE & PRESENT PROJECT PLAN

Manpower skills=Skill #1, MANAGER, 1 @ 5000\$ per Man-Month
Skill #5, SECRETARY, 1 @ 2000\$ per Man-Month

Total effort=4 Man-Months
Manpower cost=\$14000
Direct cost=\$0

Job #11, PRESENT PROTOTYPE & DOCUMENTS

***** CRITICAL *****

Duration=1 Month
Completed=No
On critical path=Yes
Slack time=none

Earliest start=3/2/85
Earliest finish=4/2/85
Latest start=3/2/85
Latest finish=4/2/85

Prerequisites=Job #8, BUILD PROTOTYPE
Job #9, TYPE & PRESENT PROJECT PLAN
Job #10, UPDATE PROJECT PLAN & DOC'S

Manpower skills=Skill #1, MANAGER, 1 @ 5000\$ per Man-Month
Skill #2, PROJECT ENGINEER, 1 @ 5000\$ per Man-Month
Skill #3, TECHNICIAN 1, 1 @ 4000\$ per Man-Month
Skill #4, TECHNICIAN 2, 1 @ 3000\$ per Man-Month
Skill #5, SECRETARY, 1 @ 2000\$ per Man-Month

Total effort=5 Man-Months
Manpower cost=\$19000
Direct cost=\$6000

Job #12, MANUFACTURE FLIGHT MODEL

***** CRITICAL *****

Duration=1 Month
Completed=No
On critical path=Yes
Slack time=none

Earliest start=4/2/85
Earliest finish=8/2/85
Latest start=4/2/85
Latest finish=8/2/85

Prerequisites=Job #11, PRESENT PROTOTYPE & DOCUMENTS

Manpower skills=Skill #1, MANAGER, 1 @ 5000\$ per Man-Month
Skill #2, PROJECT ENGINEER, 1 @ 5000\$ per Man-Month
Skill #3, TECHNICIAN 1, 1 @ 4000\$ per Man-Month
Skill #4, TECHNICIAN 2, 1 @ 3000\$ per Man-Month

Total effort=16 Man-Months
Manpower cost=\$68000
Direct cost=\$12000

Job #13, UPDATE DOCUMENTATION

Duration=1 Month
Completed=No
On critical path=No
Slack time=3 Months

Earliest start=4/2/85
Earliest finish=5/2/85
Latest start=7/2/85
Latest finish=8/2/85

Prerequisites=Job #11, PRESENT PROTOTYPE & DOCUMENTS

Manpower skills=Skill #5, SECRETARY, 1 @ 2000\$ per Man-Month

Total effort=1 Man-Months
Manpower cost=\$2000
Direct cost=\$0

Job #14, DELIVER H/W & DOCUMENTATION

***** CRITICAL *****

Duration=1 Month
Completed=No
On critical path=Yes
Slack time=none

Earliest start=8/2/85
Earliest finish=9/2/85
Latest start=8/2/85
Latest finish=9/2/85

Prerequisites=Job #12, MANUFACTURE FLIGHT MODEL
Job #13, UPDATE DOCUMENTATION

Manpower skills=Skill #1, MANAGER, 1 @ 5000\$ per Man-Month
Skill #2, PROJECT ENGINEER, 1 @ 5000\$ per Man-Month

Total effort=2 Man-Months
Manpower cost=\$10000
Direct cost=\$8000

Job #15, END OF H/W & DOC. PHASE

***** CRITICAL *****

Duration=0 Months
Completed=No
On critical path=Yes
Slack time=none

Earliest start=9/2/85
Earliest finish=9/2/85
Latest start=9/2/85
Latest finish=9/2/85

Prerequisites=Job #14, DELIVER H/W & DOCUMENTATION

Manpower skills=none

Total effort=none
Manpower cost=\$0
Direct cost=\$0

COLUMNAR JOB REPORT

BEDINI DEVICE FOR SPACEFLIGHT

Revision 5, 7/9/84

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JOB	DURATION	COMPLETE	EARLY START	EARLY FINISH	LATE START	LATE FINISH	SLACK TIME
1	2	No	0	2	0	2	0
2	1	No	0	1	1	2	1
3	2	No	0	2	0	2	0
4	1	No	2	3	2	3	0
5	1	No	3	4	3	4	0
6	0	No	4	4	4	4	0
7	1	No	4	5	4	5	0
8	4	No	4	8	4	8	0
9	1	No	5	6	5	6	0
10	2	No	6	8	6	8	0
11	1	No	8	9	8	9	0
12	4	No	9	13	9	13	0
13	1	No	9	10	12	13	3
14	1	No	13	14	13	14	0
15	0	No	14	14	14	14	0

BLANK1 DEVICE FOR SPACEFLIGHT, Revision 5, 7/9/84
 Prepared by EIKE MUELLER

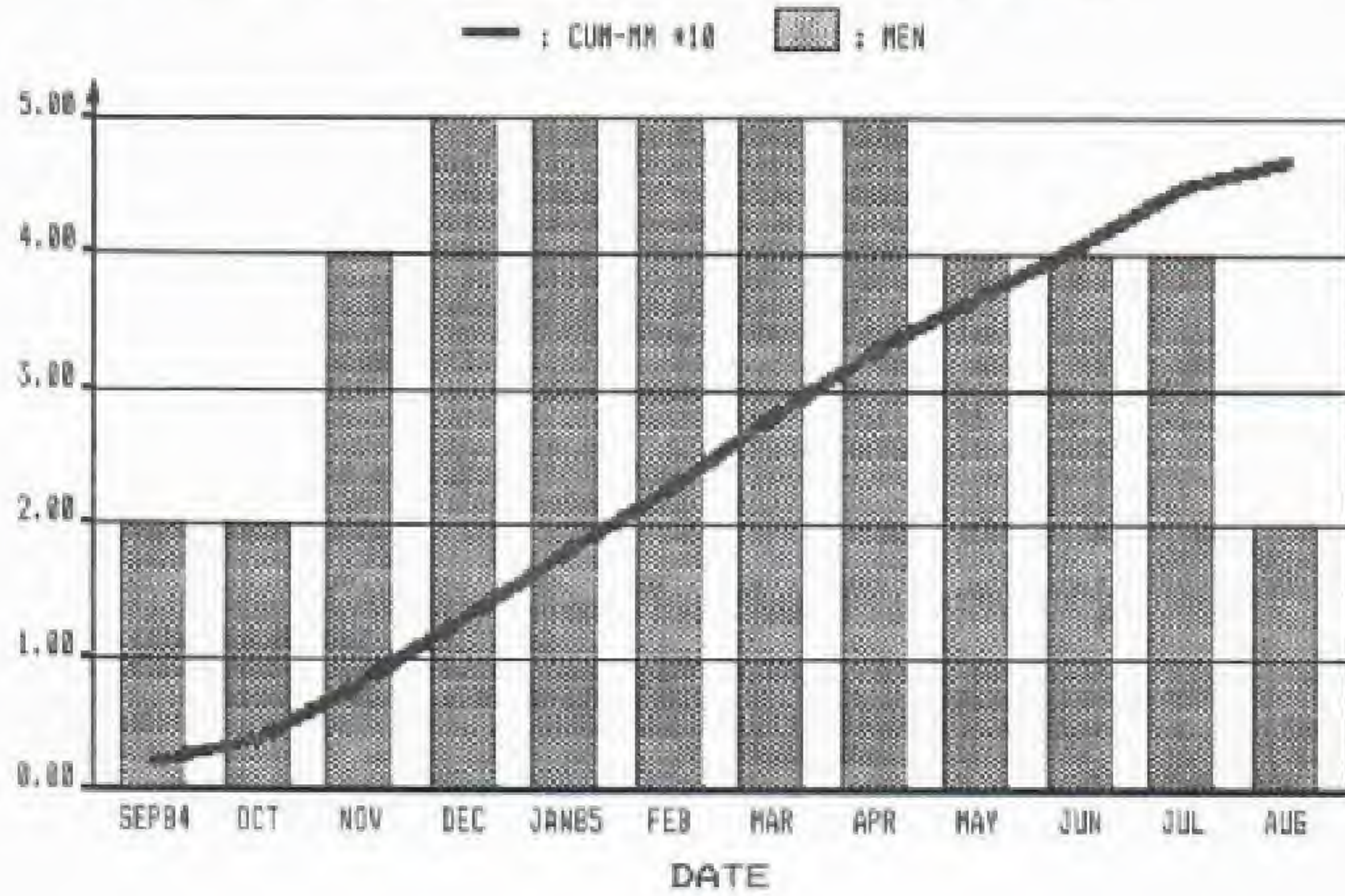
Job Description	1984						1985												1986
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
1 WRITE DRAFT PROJECT PLAN	0=====>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2 PREPARE LETTER TO ESA/DMFT	0---->....>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
3 BUILD DEMO PROTOTYPE	0=====>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4 TRIP TO EUROPE & DEMO	.	.	>====>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5 NEGOTIATIONS WITH ESA	.	.	.	>====>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
6 CONTRACT GO-AHEAD	.	.	.	.	E	.	.	.	.	.	.	.	.	.	.	.	.	.	.
7 UPDATE OF PROJECT PLAN	.	.	.	.	>====>	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8 BUILD PROTOTYPE	.	.	.	.	>=====	.	.	.	.	.	.	.	.	.	.	.	.	.	.
9 TYPE & PRESENT PROJECT PLAN	.	.	.	.	.	>====>	.	.	.	.	.	.	.	.	.	.	.	.	.
10 UPDATE PROJECT PLAN & DOC'S	.	.	.	.	.	.	>=====	.	.	.	.	.	.	.	.	.	.	.	.
11 PRESENT PROTOTYPE & DOCUMENTS	.	.	.	.	.	.	.	>====>	.	.	.	.	.	.	.	.	.	.	.
12 MANUFACTURE FLIGHT MODEL	.	.	.	.	.	.	.	.	>=====	.	.	.	.	.	.	.	.	.	.
13 UPDATE DOCUMENTATION	.	.	.	.	.	.	.	.	>----->.....>	.	.	.	.	.	.	.	.	.	.
14 DELIVER H/W & DOCUMENTATION	.	.	.	.	.	.	.	.	.	.	.	.	>====>	.	.	.	.	.	.
15 END OF H/W & DOC. PHASE	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.	.
MANAGER=0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
PROJECT ENGINEER=0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
TECHNICIAN 1=0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
TECHNICIAN 2=0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
SECRETARY=0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
Total manpower level=0	0	2	2	4	5	5	5	5	5	4	4	4	2	0	0	0	0	0	0
Manpower cost=0	0	10K	10K	17K	19K	19K	19K	19K	19K	17K	17K	17K	10K	0	0	0	0	0	0
Direct cost=0	0	6K	0	8K	0	0	0	6K	12K	0	0	0	8K	0	0	0	0	0	0
Total cost=0	0	16K	10K	25K	19K	19K	19K	25K	31K	17K	17K	17K	18K	0	0	0	0	0	0

Symbol - Explanation

- >----> Duration of a normal job
- >....> Slack time for a normal job
- >====> Duration of a critical path job
- >:::~> Duration of a completed job
- # Job with zero duration
- 0----> Job with no prerequisites
- >----X Job with no successors

BEDINI DEVICE FOR SPACEFLIGHT - MANPOWER

MANPOWER



BEDINI DEVICE - MONEY FLOW

MONEY

